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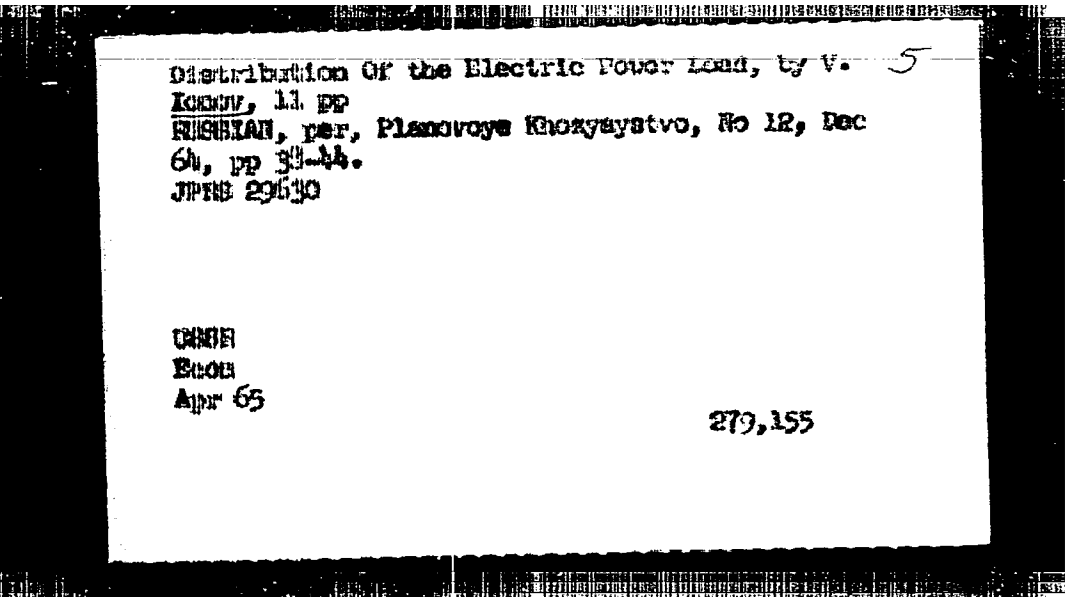

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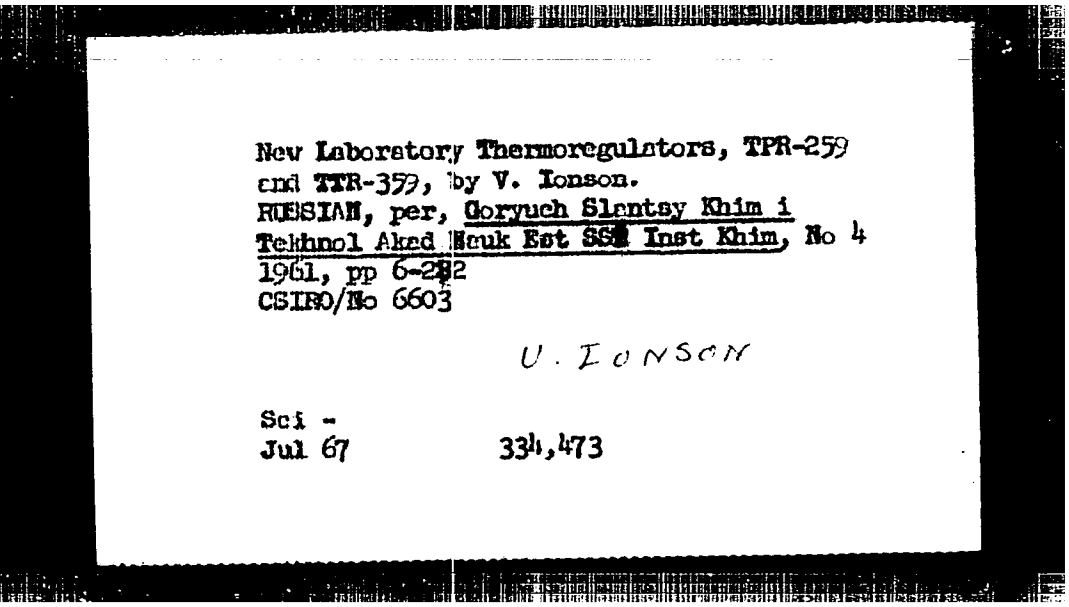

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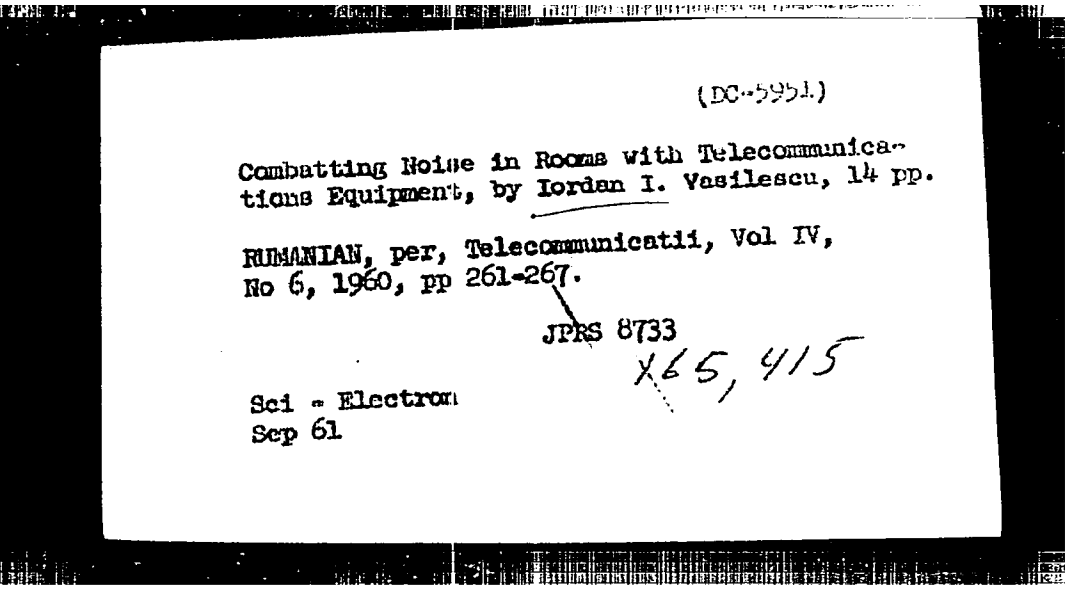

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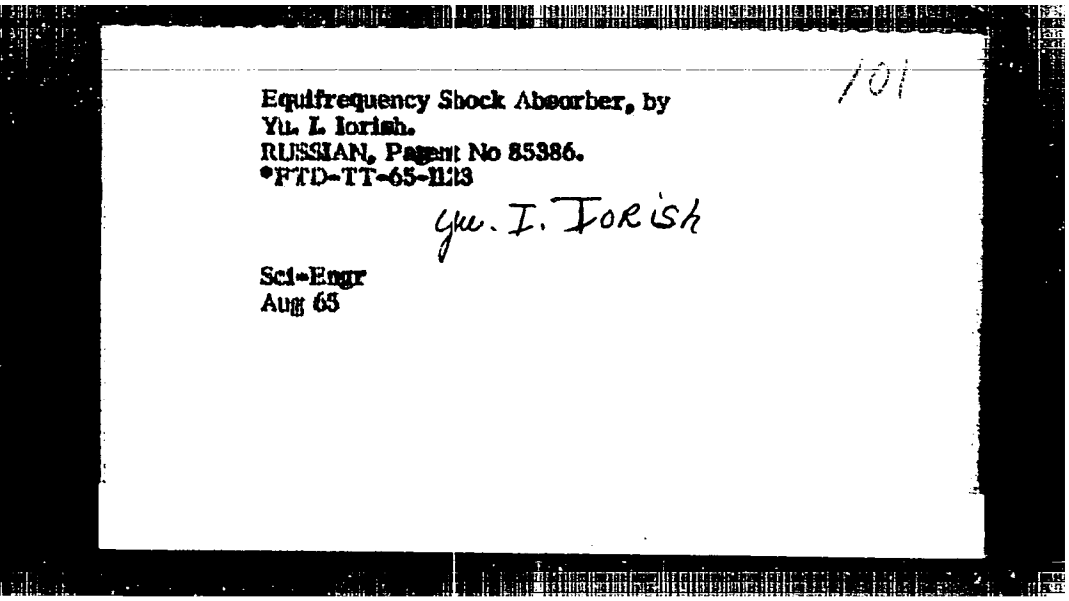

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THE MECHANISM OF THE INFLUENCE OF ANIONS ON THE VALUES OF THE DISTRIBUTION COEFFICIENT DURING SIMULTANEOUS ELECTRODEPOSITION OF COBALT AND NICKEL, tr. by Leonard Shapiro. [1961] 8p. (3 figs. omitted) 2 refs.
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Trans. of Uzbekskiy Khimicheskiy Zhurnal (USSR) 1959, no. 5, p. 45-49.

DESCRIPTORS: *Cobalt, *Nickel, *Electrodeposition, Ions, Chemical reactions.

The basic reason for the influence of the nature of anions of electrolytes on the magnitude of the distribution coefficient on joint electrodeposition of Co and Ni is the difference in chemical affinity of anions of the electrolyte adsorbed on the surface of the cathode, to the ions of Co and Ni. This is confirmed by experimental data obtained by measurements of the potentials of
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Trans. of Uzbekskiy Khimicheskiy Zhurnal (USSR) 1959, no. 1, p. 43-49.

DESCRIPTORS: *Cobalt, *Nickel, *Electrodeposition, Electrolytes, Ions, Chemical reactions.

The possibility is shown of significantly increasing or decreasing the magnitude of the distribution coefficient for the process of joint deposition of Co and Ni by using electrolytes differing in the nature of their anions or by introducing additives containing other anions into the starting electrolyte. A direct dependence is established between the magnitude of the distribution coefficient on
(Chemistry--Physical, TT, v. 6, no. 4) (over)

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